

## CLINE/CLALLAM COMBO

*Refer to the map below for more details.*

### **One paragraph project summary:**

The current distribution system of irrigation water in the Companies area is by open canals. This project proposes to place the main canal in pipe, starting at the point of divergence to the start of the Cline Irrigation Districts area of concern. The work will include the installation of all necessary control and measurement devices to adequately manage the system, as well as some short laterals to serve users that are impacted by relocation of the main system. Since the Cline Irrigation District main canal meanders through the same area being served by the Clallam Ditch Company, it has been agreed, by the two organizations, that these two main canals be combined, thereby increasing the benefits derived from piping open ditches. Currently the ditches are charged with water from April 15<sup>th</sup> through September 15<sup>th</sup>. This will not change with the new system.

**Project description:** The Cline Irrigation District and the Clallam Ditch Company propose combining their respective main irrigation canals into one pipeline. The two open canals have a shared outtake on the Dungeness River and cross one another four times over a distance of approximately 16,000 feet. The Cline Irrigation District delivers water to approximately 600 acres, all lying to the north (downstream) of the area served by the Clallam Ditch Company, which serves approximately 453 acres.

The two canals will be replaced with one pipeline approximately 18,000 feet in length, beginning at Dungeness River outtake and extending to a point north of the Carlsborg area (area served by Clallam Ditch Company).

This project, recommended in the Dungeness River Agricultural Water Users Association Comprehensive Water Conservation Plan, will result in an estimated water savings of approximately 3.25 cubic feet per second for the Cline Irrigation District portion of the project. In addition, this project will result in water quality improvements, reduced maintenance by both parties, and improvement in the service the two organizations provide their customers/shareholders.

The completed project will include a system of flow measurement displayed on a web site that is accessible by the public. This will provide the necessary data to allow the two parties to properly manage their respective systems and provide their customers with their water entitlement, while ensuring that water savings are returned to the river.

The Jamestown S'Klallam Tribe, Clallam Conservation District, and the Natural Resources Conservation Service (NRCS) are partners in the project. The Conservation District will administer the project, the NRCS will provide engineering support, and the Jamestown S'Klallam Tribe will contribute approximately \$250,000 in funding from a grant from the Environmental Protection Agency. Ecology has granted the Cline Irrigation District \$790,000. In addition, the Conservation District will hopefully provide funding from Irrigation Efficiencies Program grants.

The Conservation Plan has recommended and ranked this project for water savings and long-term benefits to the Dungeness River. Extensive environmental studies have been done on the affects to wildlife, trees, and wells. The Conservation District has copies of this data.

The purpose of this project is to eliminate conveyance losses in the existing open irrigation ditch main canals and therefore reduce diversions from the Dungeness River and increase instream flow in the Dungeness River that in turn will benefit fish species. The project will also eliminate contaminants from entering the Dungeness River and Bay through irrigation tailwater. This entire system will be pressurized and this will eliminate the need for most pumps which will result in energy savings. Piping and pressurization will also help ensure all users will receive water. Restrictions will still apply during drought seasons.

Residents in the Cline Irrigation District will be contacted by a team regarding this project. If you have questions, please contact either the Project Manager or the Ditch Manager.

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The Ditch Manager is Jim White - Phone: 360-683-2982



# Clallam and Cline Irrigation Networks

